

## PERP Protein, Human, Recombinant (His & Myc & SUMO)

### General Information

Synonyms:	KRTCAP1;KCP1;PERP;P53-induced protein PIGPC1;PIGPC1;THW;Transmembrane protein THW; p53 apoptosis effector related to PMP-22;Keratinocyte-associated protein 1 (KCP-1)
Protein Construction:	1-193 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q96FX8
Molecular Weight:	41.4 kDa (predicted)
AA Sequence:	MIRCGLACERCRWILPLLLLSAIAFDIILAGRGWLQSSDHGQTSSLWWKCSQEGGGSGSYEEGCQSLMEYA WGRAAAAMLFCGFILVICFILSFFALCGPQMLVFLRVIGLLALAAVFQIISLVIYPVKYTQTFTLHANPAVTYIY NWAYGFGWAATIIILIGCAFFFCCLPNYEDDLLGNAKPRYFYTSA

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Component of intercellular desmosome junctions. Plays a role in stratified epithelial integrity and cell-cell adhesion by promoting desmosome assembly. Plays a role as an effector in the TP53-dependent apoptotic pathway.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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